

Acond Grandis

Heat pump air - water

Data sheet

A compact monoblock heat pump. A heat pump uses a variable speed twin rotatory compressor with an ecologic refrigerant. An outdoor unit is connected to indoor part. The indoor part includes an electrical distributor and eventually according to the chosen accessories hydromodul. The product also includes an indoor thermostat placed in reference room.

Performance parameters

Subtyp	Grandis-N		Grandis-R	
Model	N	PN	R	PR
Maximum heating capacity A7/W35 [kW]	3,05	4,1	6,98	7,8
Maximum heating capacity A7/W55 [kW]	3,3	4,2	6,94	8,1
COP A7/W35 EN 14 511 [1]	5,54	5,41	5,52	5,51
COP A7/W55 EN 14 511 [1]	3,26	3,18	3,38	3,22
P _{rated} [kW]*)	4	6	10	12
Maximum building's heat losses at -15°C – underfloor heating [kW]**)	7		15,5	
Maximum building's heat losses at -15°C - 15°C - radiators [kW]**)	7		15	
Seasonal heating energy efficiency – underfloor heating [%]	212	196,6	220	192,6
Seasonal heating energy efficiency - radiators [%]	159	136,8	165	158,2
SCOP W35 [1]*)	5,38	4,99	5,58	4,89
SCOP W55 [1]*)	4,05	3,5	4,21	4,03
Energy class – underfloor heating *)	A+++		A+++	
Energy class – radiators*)	A+++		A+++	
Acoustic pressure at 3m [dB(A)]	28,6		30,2	
Acoustic pressure at 6m [dB(A)]	22,6		24,2	
Acoustic power A7/W55 according to EN 12 102 [dB(A)]	46,1±1,5		47,7±1,5	

*) EN 14 825; **) For the heating of the building at the mentioned heat losses, auxiliary heating by an electric heating rod is also included. The outside temperature at which the heating rod switches on depends on the losses of the object and the required indoor temperature and will be informed, indicatively, by our sales representative. DHW heating must be included in the building losses (at -15°C), pool heating if fitted; applies to standardised installation of Acond pumps with auxiliary heating rods/rods.

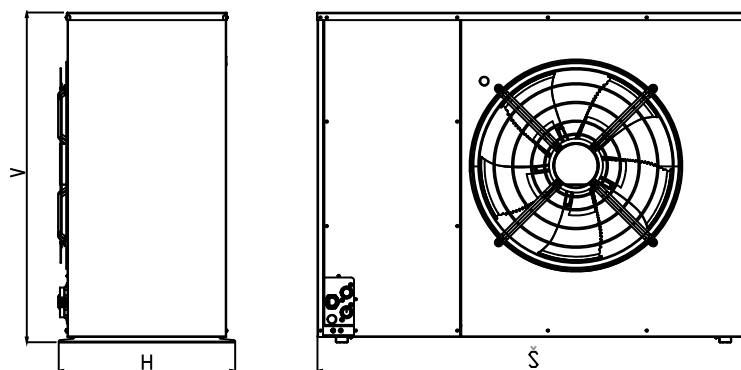
Technical parameters

Subtyp	Grandis-N (PN)		Grandis-R (PR)	
Model	N (PN)	N SP (PN SP)	R (PR)	R SP (PR SP)
Compressor	Twin Rotary		Twin Rotary	
Voltage code; circuit breaker *)**)	3~N/PE/400V/50Hz; B16A	1~N/PE/230V/50Hz; B40A	3~N/PE/400V/50Hz; B20A	1~N/PE/230V/50Hz; B50A
Nominal heating capacity [kW]	4 (6)		10 (12)	
Nominal wattage [kW]***)	0,7		1,24	
Starting current [A]	5		5	
Stable current [A]	3,97		2,71	5,96
Ingress protection	Outdoor unit IP24			
	Indoor unit IP20			
Refrigerant	R290 - propane		R290 – propane	
Air temperature limits [°C]	-25 až 38		-25 až 38	
Water temperature limits [°C]	20 až 75		20 až 75	

*) Fulfill local regulations.

**) Can variate in relation to bivalent heaters.

***) A7/W35.



Subtyp	GRANDIS-N	GRANDIS-R
V [mm]	759	1089
Š [mm]	1128	1427
H [mm]	542	581
Weight [kg]	110	185
T – Hot water [mm]	G1" DIN ISO 228	G1" DIN ISO 228
S – Cold water [mm]	G1" DIN ISO 228	G1" DIN ISO 228
Electrical connection	Flexible hose 32mm	Flexible hose 32mm

The values of acoustic pressure (A7/W55) below are stated as follows – Grandis-N/Grandis-R.

